

20000927.ba v02\_n996.bam.20000927

>From ???@??? Wed Sep 27 10:13:10 2000 -0500  
Date: Wed, 27 Sep 2000 10:10:48 CDT  
From: Old Tube Radios <boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BOATANCHORS digest 2996  
Message-Id: <20000927151253.5638A2A3@devel143.theporch.com>

## BOATANCHORS Digest 2996

Topics covered in this issue include:

- 1) BOATANCHORS digest 2993  
by "ROBERT W. DOWNS" <RWDowns\_WA5CAB@compuserve.com>
- 2) RE: BC-1031/RBU-1  
by "ROBERT W. DOWNS" <RWDowns\_WA5CAB@compuserve.com>
- 3) RE: FURTHER MUSINGS ON HALLI SX-42  
by "ROBERT W. DOWNS" <RWDowns\_WA5CAB@compuserve.com>
- 4) WTB: DX-20  
by "Grant Youngman" <nq5t@home.com>
- 5) Re: VA Beach Fest  
by Ed Zeranski <ezeran@concentric.net>
- 6) Re: Eimac 8875 & 8873  
by Ralph Parker <rparker@dccnet.com>
- 7) Re: FURTHER MUSINGS ON HALLI SX-42  
by Henry van Cleef <vancleef@netcom.com>
- 8) Tektronix L-20 spectrum analyzer plug in giveaway  
by Jack Antonio <dia@dia.reno.nv.us>
- 9) Drake Items for Sale  
by K8MF0@aol.com
- 10) Shure Hand Mic  
by David Jordan <wa3gin@erols.com>
- 11) Re: Shure Hand Mic  
by David Jordan <wa3gin@erols.com>
- 12) Re: Shure Hand Mic  
by MODSTEPH@ACS.EKU.EDU
- 13) Help with NRI Kit transmitter?  
by john <johnmb@mindspring.com>
- 14) Re: Looking for capacitors  
by "russ dworakowski" <wb3fau@hotmail.com>
- 15) Re: FURTHER MUSINGS ON HALLI SX-42  
by "russ dworakowski" <wb3fau@hotmail.com>
- 16) Re: Help with NRI Kit transmitter?  
by john <johnmb@mindspring.com>
- 17) Hammarlund Model XD  
by Al Klase <skywaves@bw.webex.net>
- 18) Re: Help with NRI Kit transmitter?

- by "Hue Miller" <kargokult@proaxis.com>  
19) AC Microvolt meter  
by Raymond Cote <rjcote@hawaii.rr.com>  
20) Re: Hammarlund Model XD + new find for K2TQN  
by "John Dilks, K2TQN" <oldradio@worldnet.att.net>  
21) Hammarlund swap?  
by MODSTEPH@ACS.EKU.EDU  
22) Re: Help with NRI Kit transmitter?  
by "Sandy Blaize" <ebjr@i-55.com>

-----  
Date: Mon, 25 Sep 2000 19:49:55 -0400  
From: "ROBERT W. DOWNS" <RWDowns\_WA5CAB@compuserve.com>  
Subject: BOATANCHORS digest 2993  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <200009251950\_MC2-B4A4-4E2E@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
charset=ISO-8859-1  
Content-Disposition: inline

Message text written by Old Tube Radios

>There are symbols on this schematic I don't understand. I follow the AVC=

and

all of a sudden the line ends with an "arrow head" with print say8ing AVC=

1

or AVC 2 etc?? What is that?

<

Jim,

This schematic technique is often used to cut down on lines running everywhere around the schematic. Look for other arrow heads on the schematic with the same legend (AVC 1, etc.). They are all connected together in the radio (or other electrical or electronic equipment). A similar technique often found on schematics for military gear is a single=

letter (A, B, X, Y, etc.). Usually used for filament distribution, scree=

or bias supply, etc. Same technique is used for multi-sheet schematics.

73,

Robert Downs

<RWDowns\_WA5CAB@compuserve.com>

Houston

-----  
Date: Mon, 25 Sep 2000 21:14:35 -0400  
From: "ROBERT W. DOWNS" <RWDowns\_WA5CAB@compuserve.com>  
Subject: RE: BC-1031/RBU-1  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <200009252114\_MC2-B4A5-CE37@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
        charset=ISO-8859-1  
Content-Disposition: inline

Mike.

The BC-1031 does have a 455 KC IF, but as you have discovered, the RBU-1 =  
is  
400 KC by 50 KC sweep. The manual on the RBU-1 (and also the RCX, RCX-1,=  
RBV-1, RBW-2, and RBW-2M) is NAVSHIPS 900,288, which I have, have scanned=  
,  
and can do reprints of. However, to use with the R-390, although not  
historically correct, you need to find either an RCX-(\*) or a BC-1031 (th=  
e  
RBV-(\*) is also 400 KC but 100 KC sweep width). Maybe someone with an RC=  
X  
or BC-1031 would rather have your RBU. :-) FWIW, I also have the  
BC-1031/1032 manuals.

Robert Downs  
<RWDowns\_WA5CAB@compuserve.com>  
Houston

-----  
Date: Mon, 25 Sep 2000 21:14:38 -0400  
From: "ROBERT W. DOWNS" <RWDowns\_WA5CAB@compuserve.com>  
Subject: RE: FURTHER MUSINGS ON HALLI SX-42  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <200009252114\_MC2-B4A5-CE3B@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
        charset=ISO-8859-1  
Content-Disposition: inline

John,

I don't do civilian sets so can't comment one way or the other on the

SX-42. But loctal tubes are WW-II, not postwar. Used in the well known SCR-509/510 and SCR-609/610 (BC-620 and BC-659), and a few others less well known.

Robert Downs  
<RWDowns\_WA5CAB@compuserve.com>  
Houston

-----  
From: "Grant Youngman" <nq5t@home.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Mon, 25 Sep 2000 22:37:50 -0500  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Subject: WTB: DX-20  
Message-ID: <39CFD3BE.14429.1973C6@localhost>

Gents ...

Looking for a cherry DX-20. Anything out there?

Please respond privately with price, condition. etc.

Thanks ... Grant

-----  
Grant Youngman / NQ5T  
nq5t@home.com  
<http://www.globeking.com>  
Double Oak, TX -- nr Dallas

-----  
Message-Id: <4.2.0.58.20000926205118.00aea3e0@pop3.concentric.net>  
Date: Tue, 26 Sep 2000 20:55:15 -0700  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Ed Zeranski <ezeran@concentric.net>  
Subject: Re: VA Beach Fest  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 12:16 PM 9/24/00 -0400, cswiger wrote:

>Greetings -

>

> Hmmm, sure sorry to hear about Grande Junquetion.

>

>  
> Chuck  
> kb4new  
> cswiger@widomaker.com  
Same here! I live in San Diego but if I go back to VA Beach / Little  
Creek / Dam Neck I always make a stop at GJ. Weird pricing at times but I  
have to admit to finding many unexpected surprises. You just need a '  
rooting' instinct.

-----  
Message-Id: <4.3.2.7.1.20000925211844.00ab02d0@pop3.dccnet.com>  
Date: Mon, 25 Sep 2000 21:20:18 -0700  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Ralph Parker <rparker@dccnet.com>  
Subject: Re: Eimac 8875 & 8873  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

K1VVC said:

>I need one Eimac 8875 tube.

And I need an 8873.

VE7XF

-----  
From: Henry van Cleef <vancleef@netcom.com>  
Message-Id: <200009260424.VAA23218@netcom.com>  
Subject: Re: FURTHER MUSINGS ON HALLI SX-42  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Mon, 25 Sep 2000 22:24:29 -0600 (MDT)  
Cc: boatanchors@theporch.com (Old Tube Radios)  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

As JOHN.SEHRING@ecunet.org discourses

>  
> My further thoughts on Hall SX-42 ca 1948 as I look at its schematic while  
> contemplating purchase:  
>  
> 1. Don't like 2 RF stages, much more prone to overload from strong  
> stations. Not much AGC is applied to 1st RF amp, via series 5.6M & then  
> 2.2M to ground; 2nd RF stage sees 470K & nothing to ground, gets more.

Overload doesn't occur in the RF preamp stages. Their main function  
is to increase signal level before the converter, which is a noisy

stage, to improve noise figure. The second stage is only "in" at the higher bands, and the real problem with the circuit is the bandswitching of B+. The place where you need effective AVC is the IF stages, particularly the last one.

>

> (Front end ct reminds me a bit of Halli's answer(?) to the SP-600, the  
> R-274/FRR, same pair of 6AG5's. However, here, each stage gets equal  
> amounts of AGC. Rest of R-274 ct is more up to date, dual conversion,  
> almost all miniature tubes.)

>

> 2. Don't like freq spread of bands, lower ones are too wide, 2:1 is  
> optimum for best tracking & Q (e.g. SP-600 Super Pro): 1.6-5, 5-15, 15-30,  
> 27-55, 55-108 MHz.

>

Hammarlund played against the market by splitting the broadcast band, which is 3:1. Others did not. Even RME used extra capacitance to get 3:1 coverage on broadcast. See later comments on the market that Hallicrafters was addressing with this set.

> 3. Above-30 MHz coverage is useless. Adds a lot of complexity to front  
> end. Too much emphasis on high sensitivity for that region at possible  
> expense of overload performance at HF, see 1. Liable to be relatively  
> insensitive & rather unstable.

Your set may not be up to snuff. A 100% recap/reresistor is generally needed. "Insensitive" and "overload" are mutually exclusive.

>

> 4. Loctal tubes--phooey, Sylvania's costly post-WWII mistake! Guess they  
> didn't know miniature tubes were on the way.

>

Post WWII? 1938 is their date, a decade earlier, and definitely pre WWII. Unlike RCA's octal-base series, loctals run quite well up into mid-VHF. RME used loctals after 1940, and their sets walk right out through 10M very nicely. The fact that they aren't common doesn't mean that they aren't very good tubes. Also keep in mind that when the set was designed (1944-5), the miniature set did not include the 9-pins (12A\*7 in particular). Also that loctals were more available in the early postwar years.

> 5. Combined AM/FM IF stages, 455 kHz/10.7 MHz. This is usually found  
> only in cheapie receivers. Makes IF stages very complex. Probably some  
> performance compromises.

>

Running the IF coils in series is complex? The alternative is switching all those circuits with a bandswitch, which I don't consider less complex. Anyway, the unused coil of the halves is electrically invisible at the other frequency.

> 6. Only half of dual diode 6H6 is used as combo AM detector, AGC & ANL.  
> Other half is unused! Silly.

\$\$\$ engineering, Hallicrafters' trademark. I think in the original version, the noise limiter circuit was separate.

>

> 7. 6SL7 phase inverter to drive pp 6V6's is strange, the most  
> unsymmetrical circuit I've ever seen. One 6V6 grid sees 1st stage, the  
> other sees signal via 2nd stage.

>

Well, to someone used to later paraphase amplifiers, the circuit does seem a bit odd. But the important thing is that it works, and very well. Hallicrafters used the same circuit in the SX-28 and S-27/36, and they are about the best audio around, and actually match the high end Magnavoxes and Farnsworth Capehart with a much less complex circuit.

> 8. Only 500 & 5000 ohm af output Z (external xfmr from RS solves that).  
> Phone jack is fed from phase inverter.

>

Standard for many years.

> Have I talked myself out of this one?! Am I off the beam? What think you?

>

Brand Hallicrafters is Brand Hallicrafters. Bill Halligan hired top engineers and paid them top dollar to come up with superb paper designs. The execution in copper and metal is something else----Halligan made sure he gave a lot of bang for the buck. No question that it is a much more cheaply built radio than the SX-28 and S-27/36, which are interesting excursions by Hallicrafters into the Hammarlund/National/RME realm that have their own weak points.

Also, do not forget that this is a high end home entertainment radio, not exclusively a "ham" or just plain "all-wave" set. Don't forget that this is essentially an SX-28 follow-on with FM thrown in for free. Yes, if National Co. had built a competing radio, there would be some very real plusses, but the radio would have cost twice as much. National's top set at the time for "all wave home entertainment" was the NC-240D, which also had good audio, but which did not include FM or a Loewy-designed front panel.

A comment on the broadcast FM capability: The SX-42, with 10.7 Mhz IF, blows smoke around the S-27/36 above 85 Mhz. It also has enough bandwidth to handle full 75 Mhz. FM deviation, which the 5250 Khz. IF in the older design could not. You're free to critique Hallicrafters' use of cheap coils and tuning caps, less-than-rigid mechanical construction, madcap bandswitch layouts with cheap switches, etc., but I think that when you critique Hallicrafters for this, you are begging

the question. If Tektronix had built it, the circuits would have been quite similar, but the radio would have cost on a par with Collins, not what Hallicrafters sold it for.

When looking at this radio, what's the competitive alternative? About the only one I can think of is the SX-43, and if you don't like the 42, you really won't like the 43.

-----  
Message-ID: <39D03575.34BE@dia.reno.nv.us>  
Date: Mon, 25 Sep 2000 22:34:45 -0700  
From: Jack Antonio <dia@dia.reno.nv.us>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Tektronix L-20 spectrum analyzer plug in giveaway  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Any one want this? It is free for postage. I have no idea if it works or not, at least it didn't go up in smoke when I plugged it into a 545, but I did not see any indication of it receiving any RF either.

This is *\*not\** a 1L20, it is earlier than that, the front panel says Pentrix, in addition to Tektronix.

Jack Antonio WA7DIA  
dia@dia.reno.nv.us

-----  
From: K8MF0@aol.com  
Message-ID: <d.a62ff10.2701fac1@aol.com>  
Date: Tue, 26 Sep 2000 09:12:33 EDT  
Subject: Drake Items for Sale  
To: Old Tube Radios <boatanchors@theporch.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

I have a couple of very nice items that are excess to my needs.

1. Drake 2 NT transmitter. Gives you the 5 traditional bands of 80/40/20/15/10 meters, crystal controlled, CW. Sharp looking and I gave it a workout to assure that it is working. No manual. \$125 INCLUDES SHIPPING to anywhere in the continental USA. Might be a bit more to Canada, etc.
2. Drake W4 wattmeter. Very sharp, works perfectly. Also includes the "Drake chart" for determining SWR. \$75 INCLUDES SHIPPING to anywhere in



the continental USA. A bit more to Canada.

73

Don K8MFO k8mfo@aol.com

-----  
Message-ID: <39D0A1CE.19E8F3B9@erols.com>  
Date: Tue, 26 Sep 2000 09:17:02 -0400  
From: David Jordan <wa3gin@erols.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Shure Hand Mic  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Folks,

I've got a Shure 404C handmike in excellent condition but I don't have a spec sheet on it. Would like to know what the impedance of the mic is...wondering if it will work with my TR3?

thanks,  
dave  
WA3GIN

-----  
Message-ID: <39D0B277.A27544AC@erols.com>  
Date: Tue, 26 Sep 2000 10:28:07 -0400  
From: David Jordan <wa3gin@erols.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: boatanchors <boatanchors@theporch.com>,  
Drake Equipment LIST <drakelist@baltimoremd.com>  
Subject: Re: Shure Hand Mic  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

thanks that is what I needed....100K impedance for the 404C while the 404B is low impedance.

-----  
Date: Tue, 26 Sep 2000 14:03:21 -0400 (EDT)  
From: MODSTEPH@ACS.EKU.EDU  
Subject: Re: Shure Hand Mic  
To: Old Tube Radios <boatanchors@theporch.com>

Message-id: <01JUMQ0HJF8U004JP3@ACS.EKU.EDU>  
MIME-version: 1.0  
Content-type: TEXT/PLAIN; CHARSET=US-ASCII

..... shouldn't that be "Shure Hand Luke...??"

Naw - that was "COOL Hand... etc."

And can Shure replacement cartridges be obtained from  
Shure any more? Need one for a 10C.

73, Al N5AIT

-----  
Message-Id: <3.0.3.32.20000926195021.00db2bd0@mindspring.com>  
Date: Tue, 26 Sep 2000 19:50:21 -0400  
To: Old Tube Radios <boatanchors@theporch.com>  
From: john <johnmb@mindspring.com>  
Subject: Help with NRI Kit transmitter?  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Boatfolk,

I recently purchased two, two deck transmitters, that appeared  
to me to be home brewed, but instead are actually kits that were  
assembled through National Radio Institute correspondence courses.

Please come take a look by clicking

<http://www.old-radios.com/nri.html>

and dropping me a line if you know anything about them.

They're fun old pictures if nothing else!!

Best

John

-----  
John Brewer - WB50AU/4  
AMI #24  
Clayton NC  
johnmb@mindspring.com  
-----

-----  
From: "russ dworakowski" <wb3fau@hotmail.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Looking for capacitors  
Date: Tue, 26 Sep 2000 20:36:43 EDT  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed  
Message-ID: <LAW2-F79UwWpSWerOc000004aae@hotmail.com>

Morris, try Surplus Sales of Nebraska.

>From: Morris Odell <Morris0@vifp.monash.edu.au>  
>Reply-To: Morris0@vifp.monash.edu.au  
>To: Old Tube Radios <boatanchors@theporch.com>  
>Subject: Looking for capacitors  
>Date: Mon, 25 Sep 2000 10:47:16 +1100  
>  
>Hi all,  
>  
>I am in need of some high voltage capacitors and know of at least one other  
>person in the same boat.  
>  
>These are for the Racal RA-66 panadaptor. It has 4 caps of 0.1 mfd / 5 kV  
>rating in it. Being British, they all leak. Two of them have about 2.2 kV  
>across them and the other 2 have about 3.1 kV.  
>  
>Anyone know where something similar can be found?  
>  
>73  
>  
>Morris  
>

-----  
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-----  
From: "russ dworakowski" <wb3fau@hotmail.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: FURTHER MUSINGS ON HALLI SX-42  
Date: Tue, 26 Sep 2000 21:07:55 EDT  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Message-ID: <LAW2-F196wHc9ny7BXx000047f6@hotmail.com>

There are better rigs, or you could make this one better? Do you have your heart set on Hallicrafters? Check out an SX-88. Russ

>From: JOHN.SEHRING@ecunet.org  
>Reply-To: JOHN.SEHRING@ecunet.org  
>To: Old Tube Radios <boatanchors@theporch.com>  
>Subject: FURTHER MUSINGS ON HALLI SX-42  
>Date: Mon, 25 Sep 2000 13:03:48 -0400 (EDT)  
>  
>My further thoughts on Hall SX-42 ca 1948 as I look at its schematic while  
>contemplating purchase:  
>  
>1. Don't like 2 RF stages, much more prone to overload from strong  
>stations. Not much AGC is applied to 1st RF amp, via series 5.6M & then  
>2.2M to ground; 2nd RF stage sees 470K & nothing to ground, gets more.  
>  
>(Front end ct reminds me a bit of Halli's answer(?) to the SP-600, the  
>R-274/FRR, same pair of 6AG5's. However, here, each stage gets equal  
>amounts of AGC. Rest of R-274 ct is more up to date, dual conversion,  
>almost all miniature tubes.)  
>  
>2. Don't like freq spread of bands, lower ones are too wide, 2:1 is  
>optimum for best tracking & Q (e.g. SP-600 Super Pro): 1.6-5, 5-15, 15-30,  
>27-55, 55-108 MHz.  
>  
>3. Above-30 MHz coverage is useless. Adds a lot of complexity to front  
>end. Too much emphasis on high sensitivity for that region at possible  
>expense of overload performance at HF, see 1. Liable to be relatively  
>insensitive & rather unstable.  
>  
>4. Loctal tubes--phooey, Sylvania's costly post-WWII mistake! Guess they  
>didn't know miniature tubes were on the way.  
>  
>5. Combined AM/FM IF stages, 455 kHz/10.7 MHz. This is usually found  
>only in cheapie receivers. Makes IF stages very complex. Probably some  
>performance compromises.  
>  
>6. Only half of dual diode 6H6 is used as combo AM detector, AGC & ANL.  
>Other half is unused! Silly.  
>  
>7. 6SL7 phase inverter to drive pp 6V6's is strange, the most  
>unsymmetrical circuit I've ever seen. One 6V6 grid sees 1st stage, the  
>other sees signal via 2nd stage.  
>

>8. Only 500 & 5000 ohm af output Z (external xfmr from RS solves that).  
>Phone jack is fed from phase inverter.  
>  
>Have I talked myself out of this one?! Am I off the beam? What think you?  
>  
> -John Sehring (Mon, Sep 25, 2000, Ipswich SD) UCC WB0EQ  
>

---

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-----  
Message-Id: <3.0.3.32.20000926214244.00db2d54@mindspring.com>  
Date: Tue, 26 Sep 2000 21:42:44 -0400  
To: Old Tube Radios <boatanchors@theporch.com>  
From: john <johnmb@mindspring.com>  
Subject: Re: Help with NRI Kit transmitter?  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Sandy is right! Fat fingered me typed RK43 instead of 34...  
but the crystal freq is 1966 kc!  
Tank coil looks like 40m to me....

Odd!!

At 08:29 PM 9/26/00 -0500, Sandy Blaize wrote:  
>John,  
> That looks like an RK34 to me not an RK-43.  
> What frequency is the crystal?  
> My guess without that info is that it is either  
>a crystal controlled 5 meter rig or a 2-1/2 meter rig.  
>  
>73,  
>Sandy W5TVW  
>

-----  
Message-ID: <39D1665B.57B8ED8A@bw.webex.net>  
Date: Tue, 26 Sep 2000 23:15:39 -0400  
From: Al Klase <skywaves@bw.webex.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>

Subject: Hammarlund Model XD  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Anchorites,

I've been restoring a Super Pro that I bought in the auction at the AWA conference a few weeks ago. It appears to be one of the SP-110 series: Octal front-end and audio tubes, big-pin tubes in the IF. It has the optional crystal filter, and what appears to be a factory installed noise limiter (6H6) that is controlled by a rotary switch that comes out the hole normally used for the send-receive switch.

Dale, KW1I, had a similar set on the air at the recent MRCA meet. As I recall it had a completely different two-letter model designation. I dug through the old QST's, they don't mention model numbers or the noise limiter. Does anyone have a break down on these model numbers?

This radio is in really nice shape and I'd like to find the correct speaker (large Jensen electrodynamic in a black wrinkle case with a Hammarlund "H" grill cutout), and the correct power supply that has an output for the speaker field coil.

Any help appreciated.

73,

Al

--

Al Klase - N3FRQ

skywaves@bw.webex.net

Flemington, NJ 08822

Web Page: <http://www.webex.net/~skywaves/home.htm>

-----  
Message-ID: <006201c02835\$8c9ab220\$e6c56ac6@oemcomputer>

From: "Hue Miller" <kargokult@proaxis.com>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: Help with NRI Kit transmitter?

Date: Tue, 26 Sep 2000 20:46:40 -0700

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Well, it's an 80m AM rig, so the xtal must be doubled in there. The final runs class-A linear, some other stage is (was) modulated by a separate small chassis with about a 2-watt

audio amp on it. The idea was to have a transmitter that  
(1) replicated some of the overall type and control functions  
one might encounter in the broadcasting world, i.e. goal was  
more a learning tool than a lean ham-type transmitter, and  
(2) was still useful for other than just lighting lightbulbs as  
practice.

I have one also, but the schematic has slipped out of my  
grasp. Looks like this would be a fun transmitter to operate,  
if you can find some kind of little low power Hi Fi amp to  
do the modulation.

Hue Miller

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Message-ID: <39D1B7CD.ADFABA67@hawaii.rr.com>  
Date: Tue, 26 Sep 2000 23:03:09 -1000  
From: Raymond Cote <rjcote@hawaii.rr.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: AC Microvolt meter  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi all!

I have come across a few HP 3410A micro voltmeter. They would be  
useful for frequencies of 5 hz to 600 khz according to the dial. The  
range switch is in db referenced to 1 mw 600 ohms and sensitivity from  
about 10 micro volts to 3 volts. IT should be good for any if readings  
on our radios, although some might not want it for BA work as it looks  
like it is early transistor equipment. Anyone have any information on  
this gear or know where I could find a manual? If it is good for our  
use, I have 3 and would be willing to part with 2. I don't have a  
probe, but it has a BNC for input. It must be a very high input  
impedance, perhaps in the equipment and not in the probe (I hope).

Ray in Honolulu

-----  
Message-Id: <4.3.2.7.0.20000927061748.00a81ed0@postoffice.worldnet.att.net>  
Date: Wed, 27 Sep 2000 06:30:38 -0400  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "John Dilks, K2TQN" <oldradio@worldnet.att.net>  
Subject: Re: Hammarlund Model XD + new find for K2TQN  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Al,

I picked up a SP-400 something in great condition with power supply, cabinet and Jensen speaker. Tell me how to check for the SP-400 model and I'll look.

I also picked up a 5.5' Relay Rack xmtr from the 40's and 50's. It had the new amp deck installed - pair of 813's and the driver deck was a something to a 6146. The old 40's deck (have to check the tube types) was there as well as the old driver deck something to an 807. Also a big modulator in a separate 38" cabinet. The builder (SK) was a "master-builder". It looks like it was built for a magazine article.

Everything is h-e-a-v-y. The power xfmr and modulation xfmr broke loose before I got there to pick it up. (It had been in an attic and the moving company brought it down, breaking several tubes, but causing - surprisingly - little other damage.)

No paper, no extra coils, as I'm sure everything got tossed when they cleaned out the house. I do have his name and call, which I will research.

Everything is still in my car (now a "low-rider") until this weekend..... And I'm in trouble at home ... again.

73' John

At 11:15 PM 9/26/2000 -0400, Al Klase wrote:

>Anchorites,

>

> I've been restoring a Super Pro that I bought in the  
>auction at the AWA conference a few weeks ago. It appears  
>to be one of the SP-110 series: Octal front-end and audio  
>tubes, big-pin tubes in the IF. It has the optional crystal  
>filter, and what appears to be a factory installed noise  
>limiter (6H6) that is controlled by a rotary switch that  
>comes out the hole normally used for the send-receive  
>switch.

> Dale, KW1I, had a similar set on the air at the recent MRCA  
>meet. As I recall it had a completely different two-letter  
>model designation. I dug through the old QST's, they don't  
>mention model numbers or the noise limiter. Does anyone  
>have a break down on these model numbers?

> This radio is in really nice shape and I'd like to find the  
>correct speaker (large Jensen electrodynamic in a black  
>wrinkle case with a Hammarlund "H" grill cutout), and the  
>correct power supply that has an output for the speaker  
>field coil.

> Any help appreciated.

>



>73,  
>A1  
>--  
>A1 Klase - N3FRQ  
>skywaves@bw.webex.net  
>Flemington, NJ 08822  
>Web Page: <http://www.webex.net/~skywaves/home.htm>

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Date: Wed, 27 Sep 2000 08:32:02 -0400 (EDT)  
From: MODSTEPH@ACS.EKU.EDU  
Subject: Hammarlund swap?  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-id: <01JUNTDAT1MQ004C60@ACS.EKU.EDU>  
MIME-version: 1.0  
Content-type: TEXT/PLAIN; CHARSET=US-ASCII

HAVE: extra HQ-170A, with clock, decent shape and working.

WANT: HQ-180/-180A in similar condition - looking for even swap.

73, A1 N5AIT  
modsteph@acs.eku.edu

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Message-Id: <200009271506.KAA05198@exit1.i-55.com>  
From: "Sandy Blaize" <ebj@i-55.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Help with NRI Kit transmitter?  
Date: Wed, 27 Sep 2000 10:08:06 -0500  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

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> From: Hue Miller <kargokult@proaxis.com>  
> To: Old Tube Radios <boatanchors@theporch.com>  
> Subject: Re: Help with NRI Kit transmitter?  
> Date: Tuesday, September 26, 2000 10:46 PM  
>  
> Well, it's an 80m AM rig, so the xtal must be doubled in there.  
> The final runs class-A linear, some other stage is (was)  
> modulated by a separate small chassis with about a 2-watt  
> audio amp on it.

>From the tank1 coil in the photos, it looked like VHF!  
The coil looked like about 3 turns of flat copper strap!  
I guess the phtot was too poor?  
73,  
Sandy W5TVW

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End of BOATANCHORS Digest 2996  
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